



VERIFICATION REPORT - SOIL COVER LAYER

DEVELOPMENT AT REMINGTON ROAD,
WOOD GREEN, LONDON, N15 6SS

KONFORM LTD

IN SUPPORT OF PLANNING APPLICATION REF.:
HGY/2021/2882 - CONDITION 8

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Report Title:	Verification Report - Soil Cover Layer – Remington Road, Wood Green, London, N15 6SS
Report Reference No:	LQ1148-R1

Prepared For:	Konform Ltd, Craycombe, Parsonage Lane, Sawbridgeworth CM21 0ND
Project Reference No:	LQ1148

Prepared by:	Kalex Limited The Mill House Albury Road Little Hadham Ware, SG11 2DQ Tel: 01279 771353
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Contents

1. Introduction	5
1.1 Appointment	5
1.2 Background	5
1.3 Previous Environmental Assessment Reports.....	6
1.4 Objectives and Scope of Work.....	6
2. Previous Investigation Findings and Remediation Strategy.....	7
3. Clean Cover Source Materials	8
4. Verification Sampling and Analysis	9
4.1 Sampling Strategy	9
4.1.1 Fieldwork.....	9
4.1.2 Scheduled Analysis of Soil Samples.....	9
5. Soil Cover Investigation Results	10
5.1 Ground Conditions.....	10
5.1.1 Visual and Olfactory Evidence of Contamination.....	10
5.1.2 Groundwater Occurrence	10
5.1.3 Photographic Record.....	10
5.2 Laboratory Testing Results.....	10
6. Generic Quantitative Risk Assessment.....	11
6.1 Introduction.....	11
6.2 Asbestos Containing Material	11
6.3 Analysis Results Assessment.....	11
7. Conclusions and Recommendations	12
7.1 Conclusions.....	12
7.2 Recommendations.....	12



Appendix, Plans & Drawings

Site Location Plan

Proposed Development Plan

Appendix 01 – Report Limitations

Appendix 02 – Soil Import Receipts

Appendix 03 – Soil Import Quality Data

Appendix 04 – Trial Pit Photographs

Appendix 05 – Soil Results Summary

Appendix 06 – Laboratory Certificates



1. INTRODUCTION

1.1 Appointment

Kalex Ltd was commissioned by Konform Ltd, the client, to prepare a Verification Report for the provision of a clean soil cover layer at a redevelopment site at Remington Road, Wood Green, London, N15 6SS, (the site, see **Site Location Plan**, appended).

This report is to verify the placement of a clean soil cover layer using imported soils for gardens and soft landscaping. Report limitations are in **Appendix 01**.

1.2 Background

The site underwent redevelopment in 2023 to February 2024. Redevelopment of site included demolition of garages to provide 46 new homes for Council rent (Use Class C3) comprising part 3, 5 and 6 storey apartment buildings (31 homes) and 1, 2 and 3 storey houses and maisonettes (15 homes) with associated amenity space, landscaping, refuse/ recycling and cycle storage facilities. Reconfiguration of Remington Road as a one-way street, 7 on-street parking spaces, children's play space, public realm improvements and relocation of existing refuse/recycling facilities (see **Proposed Development Plan**, appended).

Planning permission reference HGY/2021/2882 was granted by Haringey Council in 2022 and Conditions 8 and 9 relate to contamination, as reproduced below.

Condition 8 Land Contamination

Before development commences other than for investigative work:

- a. Using the information already submitted on the Phase 1 Land Contamination Assessment with reference EES 20.109.1 V 3 prepared by Ecologia Ltd dated 15th September 2021, chemical analyses on samples of the near surface soil in order to determine whether any contaminants are present and to provide an assessment of classification for waste disposal purposes shall be conducted. The site investigation must be comprehensive enough to enable; a risk assessment to be undertaken, refinement of the Conceptual Model, and the development of a Method Statement detailing any additional remediation requirements where necessary.
- b. The risk assessment and refined Conceptual Model shall be submitted, along with the site investigation report, to the Local Planning Authority which shall be submitted to, and approved in writing by, the Local Planning Authority prior to that remediation being carried out on site.
- c. Where remediation of contamination on the site is required, completion of the remediation detailed in the method statement shall be carried out and;
- d. A report that provides verification that the required works have been carried out, shall be submitted to, and approved in writing by the Local Planning Authority before the development is occupied.

Condition 9 Unexpected Contamination

If, during development, contamination not previously identified is found to be present at the site then no further development (unless otherwise agreed in writing with the Local Planning Authority) shall be carried out until a remediation strategy detailing how this contamination will be dealt with has been submitted to and approved in writing by the Local Planning Authority. The remediation strategy shall be implemented as approved.



1.3 Previous Environmental Assessment Reports

Reports previously submitted to Haringey Council are summarised in **Table1-1** below.

Table 1-1 – Previous reports

Title	Date	Author
Ph 1 Land Contamination Assessment, ref. EES 20.109.1v3	September 2021	Ecologia
Site Investigation Report, ref. BC609 RE001	June 2022	The Brownfield Consultancy

1.4 Objectives and Scope of Work

The client instructed Kalex to assist with the discharge of planning condition 8 by providing the information required through the scope of work outlined below.

The verification report is formed of several lines of evidence including evidence of material delivery to site, evidence for that material's suitability, and additional evidence in the form of site investigation and soil sampling to confirm the quality of the soil regarding contamination.

Evidence of material deliveries to site are presented in **Section 3** of this report.

The site investigation results are presented in **Section 4** of this report and the methodology is summarised below.

The investigation was undertaken in accordance with BSI (2017)¹, and comprised the following:

- Retrieval of representative soil samples from the placed soil cover layer.
- Geo-environmental assessment of the strata encountered including an assessment of the visual and olfactory evidence of contamination.
- Representative soil samples were collected from each of the exploratory holes and transferred to a UKAS accredited laboratory for testing.
- The laboratory data was summarised and subject to Generic Quantitative Risk Assessment.
- Confirmation that the verification has been completed as required.

¹ BS 10175:2011+A2:2017: The Standard for Investigation of potentially contaminated sites. Code of practice - Code of practice.



2. PREVIOUS INVESTIGATION FINDINGS AND REMEDIATION STRATEGY

Salient information regarding land contamination at the site provided in The Brownfield Consultancy Site Investigation Report, ref. BC609 RE001, is summarised below. The site investigation report should be referenced for further comments and full details.

- The encountered ground conditions comprised Made Ground to depths between 1.00m to 4.50m, underlain by the London Clay Formation bedrock geology.
- Groundwater was encountered as a strike at 2.50m that rose to 2.00m after 20 mins, and other seepages were at depths between 5.00m to 14.50m. During monitoring groundwater was at depths between 1.65m to 1.98m.
- Analysis recorded elevated concentrations of lead, mercury, arsenic, zinc and semi-volatile hydrocarbons in demolition fill across the main body of the site and in buried topsoil below the garage block.

The remediation strategy recommendations are reproduced below.

- Made Ground soils on site are considered to pose a risk to human health with respect to future site users. In this regard, a cover system is recommended in the proposed areas of landscaping, to act as a barrier to the underlying soils.
- The cover thickness in communal landscaped areas will 450mm of imported topsoil and subsoil, including a minimum of 150mm topsoil, underlain by a marker geotextile.
- The cover thickness in private gardens will be 600mm of imported topsoil and subsoil, including a minimum of 150mm topsoil, underlain by a marker geotextile.
- The subsoil/topsoil imported to form the capping layer will be a clean soil from a known and reputable source. Chemical certification of the source material and details of the source/s will be provided by the Contractor prior to cover material being brought to site.
- Once placed, the cover system will be subject to validation and the soils will not contain contaminant concentrations that exceed the maximum permissible assessment criteria [as included in the table on Page 12/13 of the site investigation report]. Inspection pits will be dug to validate the cover system construction and samples taken for laboratory analysis to confirm the chemical suitability on a frequency of 1 per 50m³ or a minimum of 3 per source, whichever is greater.



3. CLEAN COVER SOURCE MATERIALS

Clean cover materials were imported using the following supplier and haulage contractor.

Soil Import Source:	Freeland Horticulture Limited, Rosedale Nursery, College Road, Hextable, Kent, BR8 7LT
Haulier:	J&R Haulage Ltd, Unit 1C, Birchwood Industrial Estate, Hoe Lane, Nazeing, EN9 2RJ.

Receipts for the material movements are presented in **Appendix 02 – Soil Import Receipts**. A total of 8 loads of clean cover were imported to site, equating to approximately 110m³ materials.

The suppliers, Freeland Horticulture Limited, undertakes a quality control program including regular sampling and testing of their soil materials for sale. The supplier provided the client with quality control test results for their 2023 program which confirmed that their soil materials were compliant with the British Standard (BS3882).

The most recent results of the sampling and testing of the materials delivered to site, as provided by the supplier, are presented in **Appendix 03**. In the soil sample, contaminant concentrations were all below the GAC criteria for the site.

To provide additional lines of evidence of soil suitability at the site, additional sampling and testing of the placed soils are presented in the following report sections.



4. VERIFICATION SAMPLING AND ANALYSIS

4.1 Sampling Strategy

4.1.1 Fieldwork

On 27th February 2024, 8 trial pits ref. TP1 to TP8 were excavated to a depth of 0.45m using hand tools in garden and soft landscaped areas; the trial pit locations are shown on the appended **Proposed Development Plan**.

Representative samples of the soils encountered at each exploratory hole location were recovered to target shallow soil depths and strata types. The samples were taken at approximately 0.20m depth.

Dedicated containers (e.g., amber jars, vials, plastic tubs etc.) provided by the laboratory, were used for the collection of samples. To minimise the potential for cross contamination, disposable gloves were changed for each sample collected / equipment used was cleaned between each sampling event.

Loss of volatile compounds through desorption and volatilisation from the samples was limited by filling and tightly enclosing the samples in dedicated amber jars, thus ensuring minimal headspace, and storing at a low temperature (i.e., a refrigerated cool box), which further minimised biodegradation of organic compounds.

Samples were transported to the laboratory in dedicated containers maintained at a low temperature. All samples and analytical requests were recorded on the laboratory chain of custody form prior to dispatching for analysis.

4.1.2 Scheduled Analysis of Soil Samples

A total of 4 soil samples were recovered from the exploratory hole locations during the site investigation, all of which were transferred to the laboratory in accordance with the procedures detailed above. Soil samples were analysed for a suite of determinants as detailed below:

Soil Contamination Testing Determinants
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium III
Chromium VI
Copper
Lead
Mercury
Molybdenum
Nickel
Selenium
Vanadium
Zinc
Speciated PAH (USEPA 16)
Speciated petroleum hydrocarbons
Methyl tertiary butyl ether (MTBE)
Benzene, toluene, ethylbenzene, xylenes (BTEX)
pH
Asbestos screen



5. SOIL COVER INVESTIGATION RESULTS

5.1 Ground Conditions

Ground conditions comprised a thin (0.05m thick) surface cover of mulch and wood chipping in TP1 and TP8. In pits TP2 to TP7 there was soft, grey, slightly sandy, slightly gravelly silty CLAY to 0.10m. Beneath this, in all pits, was soft, grey, slightly sandy, silty CLAY topsoil with rare flint gravel to the base of the pits at a depth of 0.45m.

5.1.1 Visual and Olfactory Evidence of Contamination

There was no visual or olfactory evidence of contamination noted during the trial pitting (e.g. hydrocarbons, solvents etc).

5.1.2 Groundwater Occurrence

Groundwater was not encountered in any of the trial pits.

5.1.3 Photographic Record

A series of trial pit photographs is presented in **Appendix 04**.

5.2 Laboratory Testing Results

This data is summarised in **Appendix 05** and the laboratory certificates are in **Appendix 06**.



6. GENERIC QUANTITATIVE RISK ASSESSMENT

6.1 Introduction

This section comprises a generic assessment of the analytical results, through comparison of the measured concentrations of contaminants against appropriate Generic Assessment Criteria (GAC) in relation to the development.

Asbestos does not have GAC and each site is assessed individually for this soil contaminant.

For the other contaminants, if the concentrations recorded on site are lower than the GAC it is generally accepted that the contaminants in question are present at acceptable concentrations and not putting human health at significant risk, so long as the humans make normal use of the site. Concentrations above the GAC indicate that soil contaminant concentrations need to be considered further.

GAC selected for this assessment are derived from the previous Phase 2 site investigation and are consistent with published GAC as follows:

- LQM/CIEH Suitable for Use Levels (S4ULs) –derived following CLEA technical guidance and using the Environment Agency’s CLEA UK model, with updated toxicological and exposure parameters and land uses following the publication of the draft Category 4 Screening Levels (C4SLs).
- DEFRA Category 4 Screening Levels (C4SLs) are used in isolation for the assessment of lead concentrations in soil.

The GAC are derived according to several typical land uses:

- Residential (with and without consumption of homegrown produce);
- Allotments;
- Commercial/Industrial;
- Public Open Space residential (POS1);
- Public Open space park (POS2).

The completed development at the site includes private garden areas and public open space. We have applied these GAC to the entire data set to provide consistency with the previous Phase 2 site investigation report and a conservative assessment – residential with consumption of homegrown produce end use. This data is summarised in **Appendix 05**.

6.2 Asbestos Containing Material

No asbestos was observed in the site soil during the site investigation. Asbestos fibres were not detected in any of the screened samples.

6.3 Analysis Results Assessment

With respect to the adopted GACs for the residential end use scenario with homegrown produce, the analysis results recorded no exceedances of the determinants within the suite of analysis.



7. CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

A soil cover system has been applied in private gardens and shared soft landscaped areas using imported soils.

Soil quality data was provided by the supplier to confirm the materials' compliance with the relevant British Standard and Konform undertook a soil sampling exercise of the placed soils to confirm suitability.

The required depth of soil cover layer was confirmed by excavated pits to a depth of 0.45m at 8 locations.

A total of four soil samples plus one from the supplier is a total of five soil samples representing 110m³ material, which exceeds the requirement for a minimum of three samples per source and 1 sample per 50m³ materials.

Asbestos was not detected in any of the samples screened.

The analysis results for representative samples from the soil cover layer recorded concentrations of the various determinants that were below their respective screening values for the proposed end use.

Based on the clean soil cover layer to the required depth, supplier evidence for the clean cover, and the results of analysis, potential risks to human health from contaminants identified at the site are considered to have been mitigated and the site is suitable for the proposed residential end use.

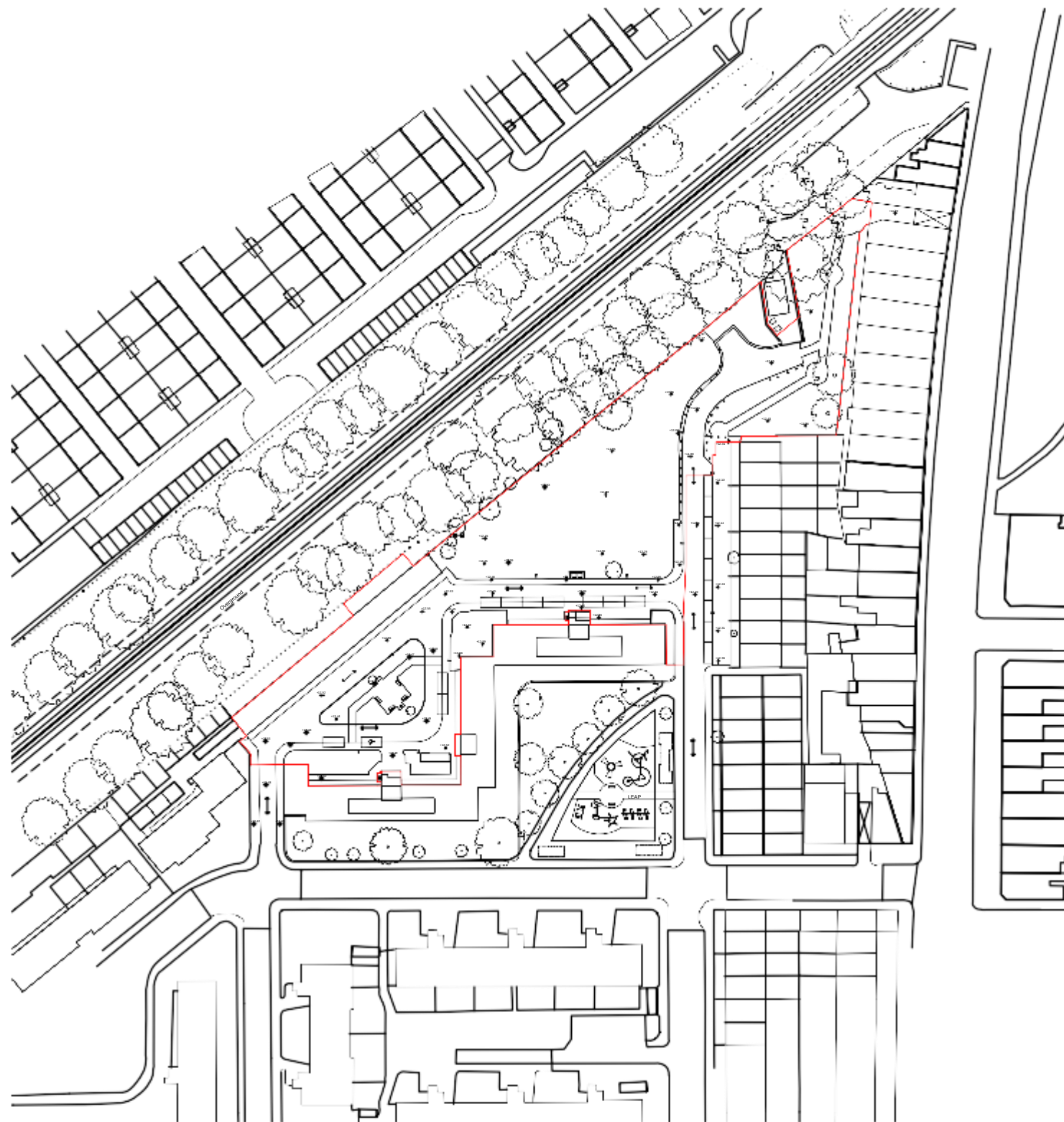
7.2 Recommendations

This report should be submitted to Haringey Council in support of Condition 8 of Planning permission reference HGY/2022/0035 for the site.

Building Control will likely require copies of the report for their comment and approval.



Site Location Plan



SITE LOCATION PLAN
Scale 1:1250

Copyright reserved

— Site Boundary Line

All dimensions to be checked on site before work commences. Figured dimensions to be taken in preference to scaled dimensions. If in doubt please ask.



Revision	Description	Date
P1	First Issue	11/05/22

STATUS
Preliminary
PROJECT
Remington Road
DRAWING
Site Location Plan

DRAWN BY	CHECKED BY	DATE
LB	CB	May 2022
SCALE (@ A3)	PROJECT NUMBER	
As indicated	21019	
DRAWING NUMBER	REV	
CFE2 - DAR - XX - XX - DR - A - 0112	P1	
Project Identifier	Originator	Revision





Proposed Development Plan

1. This drawing is to be read in conjunction with all relevant contract documentation from the design team, with any conflicting information to be brought to the attention of Davis Landscape Ltd in writing before commencing on site.
2. The contractor is to check and verify all levels and dimensions before construction. Any discrepancies are to be brought to the attention of Davis Landscape Ltd in writing before commencing on site.
3. All dimensions in mm, unless otherwise stated.
4. Do not scale from this drawing.
5. All jobs have to comply specifications, formats, brackets & the like to Employer's details & specific instructions.
6. We warrant (but do not warrant) that the intended design of above ground structure, ground drainage, sub-drains, foundations, retaining structures, fall from height barriers and building waterproofing details.
7. All proprietary products shall be installed in accordance with manufacturers written instructions.
8. Submit three drawings for Davis Landscape Ltd approval before commencing any design/landscape work.



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Davis Landscape Architecture

15 18th Yard, London, SE17 3QA

020 7277 1035
mailto:info@david.com | www.david.com

Client _____

Formation Design

Remington Road, Harringay

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

[illegible]

Drawing Title

Soil Plan

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 391–397

Scale: 1.200g/gm Weight: 1.7g

Date : 17.10.2023 Checked : JD

Drawing No. : L0834L07 Rev. : A



Appendix 01 – Report Limitations



Limitations and Use of this Report

IMPORTANT: This section should be read before reliance is placed on any of the opinions, advice, recommendations or conclusions set out in this report.

This report has been prepared for the purpose of providing advice to the client pursuant to its appointment of Kalex Limited (Kalex) to act as a consultant.

Save for the client no duty is undertaken or warranty or representation made to any party in respect of the opinions, advice, recommendations or conclusions herein set out.

All work carried out in preparing this report has used, and is based upon, our professional knowledge and understanding of the current relevant English and European Community standards, approved codes of practice, technology and legislation.

Changes in the above may cause the opinion, advice, recommendations or conclusions set out in this report to become inappropriate or incorrect. However, in giving its opinions, advice, recommendations and conclusions, Kalex has considered pending changes to environmental legislation and regulations of which it is currently aware. Following delivery of this report, we will have no obligation to advise the client of any such changes, or of their repercussions.

Kalex acknowledges that it is being retained, in part, because of its knowledge and experience with respect to environmental matters. Kalex will consider and analyse all information provided to it in the context of our knowledge and experience and all other relevant information known to us. To the extent that the information provided to us is not inconsistent or incompatible therewith, Kalex shall be entitled to rely upon and assume, without independent verification, the accuracy and completeness of such information.

The content of this report represents the professional opinion of experienced environmental consultants. Kalex does not provide specialist legal advice and the advice of lawyers may be required.

In the summary and recommendations sections of this report, Kalex has set out our key findings and provided a summary and overview of our advice, opinions and recommendations. However, other parts of this report will often indicate the limitations of the information obtained by Kalex and therefore any advice, opinions or recommendations set out in the executive summary, summary and recommendations sections ought not to be relied upon unless they are considered in the context of the whole report.

The assessments made in this report are based on the ground conditions as revealed by walkover survey and/or intrusive investigations, together with the results of any field or laboratory testing or chemical analysis undertaken and other relevant data which may have been obtained including previous site investigations. In any event, ground contamination often exists as small discrete areas of contamination (hot spots) and there can be no certainty that any or all such areas have been located and/or sampled.

There may be special conditions appertaining to the site which have not been taken into account in the report. The assessment may be subject to amendment in light of additional information becoming available.

Where any data supplied by the client or from other sources, including that from previous site investigations, have been used it has been assumed that the information is correct. No responsibility can be accepted by Kalex for inaccuracies within the data supplied by other parties.

Whilst the report may express an opinion on possible ground conditions between or beyond trial pit or borehole locations, or on the possible presence of features based on either visual, verbal or published evidence this is for guidance only and no liability can be accepted for the accuracy thereof.

Comments on groundwater conditions are based on observations made at the time of the investigation unless otherwise stated. Groundwater conditions may vary due to seasonal or other effects.

This report is prepared and written in the context of the agreed scope of work and should not be used in a different context. Furthermore, new information, improved practices and changes in legislation may necessitate a reinterpretation of the report in whole or part after its original submission.

The copyright in the written materials shall remain the property of Kalex but with a royalty-free perpetual license



to the client deemed to be granted on payment in full to Kalex by the client of the outstanding amounts.

These terms apply in addition to the Kalex standard terms of engagement (or in addition to another written contract which may be in place instead thereof) unless specifically agreed in writing (In the event of a conflict between these terms and the said standard terms of engagement the said standard terms of engagement shall prevail). In the absence of such a written contract the standard terms of engagement will apply.

Kalex maintains adequate insurance cover for public liability and professional indemnity. However, we are unable to accept liability for asbestos related matters. Our work must not be taken as sufficient to identify the presence or absence of asbestos in or on the ground. In placing a contract with us the client accepts the restriction on asbestos. If we find or strongly suspect asbestos is or may be present in or on the ground we will inform the client and advise specialist investigation. The client agrees that they shall not bring any claim personally against any director / employee or consultant to us in respect of loss or damage suffered by the client arising out of this contract.



Appendix 02 – Soil Import Receipts



Rosedale Nursery
College Road
Hextable
Kent
BR8 7LT

Tel: 01322 619161
Fax: 01322 619135

E-mail: enquiries@freelandhorticulture.co.uk

Customer / Delivery Address

ORDER NOTE

Delivery to. **J+N**

colleg

Customer Order No.

Delivery Ticket No.

Vehicle Registration No.

Driver.

Special Instructions.

Delivery Date & Time Required.

23/11/23

Qty.	Unit	Description
14		TOPSOIL

Discrepancies/
damages to
be notified
within 7 days
of delivery.

Hauliers Signature:

Haulage Company:

All trading takes place on Freeland Horticulture
Ltd Conditions of Sales; copies of which are
available on request.

Registered in England:
Rosedale Nursery, College Road,
Hextable, Kent BR8 7LT
Company Registration No: 4015968

Site Conv - White

Haulier Conv - Blue

Customer Conv - Pink

Freeland

HORTICULTURE LIMITED

Rosedale Nursery
College Road
Hextable
Kent
BR8 7LT

Tel: 01322 619161
Fax: 01322 619135

E-mail: enquiries@freelandhorticulture.co.uk

ORDER NOTE

Customer / Delivery Address

Delivery to. J + R

collector

Customer Order No.

Delivery Ticket No.

2222 61

Vehicle Registration No.

Driver.

Special Instructions.

Delivery Date & Time Required.

6/12/23

Qty. Unit Description

18 ^u		TOPSOIL
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Discrepancies/
damages to
be notified
within 7 days
of delivery.

Hauliers Signature:

Haulage Company:

SR
SR 14 mule

All trading takes place on Freeland Horticulture
Ltd Conditions of Sales; copies of which are
available on request.

Registered in England:
Rosedale Nursery, College Road,
Hextable, Kent BR8 7LT
Company Registration No: 4015968

Site Copy - White

Haulier Copy - Blue

Customer Copy - Pink

Freeland

HORTICULTURE LIMITED

Rosedale Nursery
College Road
Hextable
Kent
BR8 7LT

Tel: 01322 619161
Fax: 01322 619135

E-mail: enquiries@freelandhorticulture.co.uk

ORDER NOTE

Customer / Delivery Address

Delivery to. J+R

collect

Customer Order No.

Delivery Ticket No.

222260

Vehicle Registration No.

JR20 MUK

Driver.

JIMMY

Special Instructions.

Delivery Date & Time Required.

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Discrepancies/
damages to
be notified
within 7 days
of delivery.

Hauliers Signature:

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[Signature]

All trading takes place on Freeland Horticulture
Ltd Conditions of Sales; copies of which are
available on request.

Registered in England:
Rosedale Nursery, College Road,
Hextable, Kent BR8 7LT
Company Registration No: 4015968

J & R HAULAGE LIMITED

Environmental Protection Act 1990 Environmental Protection (Duty of Care) Regulation 1991

Vehicle Reg: J222MK Driver: Cipus Date: 23-11-23

Client Name: Kodform
Delivery/Collection Address: Remington Rd Ticket No: **126137**

(Blue copy to site)

Signature of Producer: [Signature] (must complete) Date: 23-11-23

Print Name: Zyrra Durr (must complete)

By signing above I confirm that I have fulfilled my duty to apply the waste hierarchy
as required by regulation 12 of the Waste (England & Wales) Regulations 2011

DELIVERY DETAILS ☐

Required by Schedule 4 Part 2 of the
Weights and Measures Act 1985

Topsoil
PO6W020

GROSS : 52000
TARE : 12000
NETT : 20000

TICK BOX IF PER LOAD: ☐

SIC CODE 4312

COLLECTION DETAILS (Description of Waste) ☐

Inert ☐ Non Haz ☐ Haz ☐

Excavator Loaded ☐ Grab Loaded ☐

17-05-04 Soil & Stone ☐

17-01-07 Hardcore ☐

17-01-01 Concrete ☐

17-09-04 Mixed Utility Waste ☐

☐

Further Info (if any): 1+8W

WORKS CARRIED OUT BY: (NOTE: All loads are full eight wheeler loads unless otherwise stated.)

Full name of Collector: **J & R Haulage Limited**
Address of Company: **Unit 1C, Birchwood Industrial Estate, Hoe Lane,
Nazeing, EN9 2RJ**
Telephone No: **020 8805 1337**
Email: **info@jrhaulage.co.uk**
Waste Carriers Licence: CBDU 146504

DISPOSAL POINT (tick appropriate box)

☐ J & R Haulage Limited
Unit 1C, Birchwood Industrial Estate,
Hoe Lane, Nazeing, EN9 2RJ
EA LICENCE NO: **EPR/EB3900XJ**

☐ Full Name: _____
Address: _____

THANK YOU FOR YOUR BUSINESS.

Customers requesting or ordering vehicles to leave the public highway shall reimburse us in full respect of
any loss, cost, claims or expenses we may thereby sustain whether as a result of damage to vehicles
themselves or the property of customers or third parties.

Freeland

HORTICULTURE LIMITED

Rosedale Nursery
College Road
Hextable
Kent
BR8 7LT

Tel: 01322 619161

Fax: 01322 619135

E-mail: enquiries@freelandhorticulture.co.uk

Customer / Delivery Address

ORDER NOTE

Delivery to. U + 12

collect

Customer Order No.

Delivery Ticket No.

221359

Vehicle Registration No.

3R64HGV

Driver.

Special Instructions.

Delivery Date & Time Required.

27/11/23

Qty.	Unit	Description
<u>14</u>	<u>W</u>	<u>topsoil</u>

Discrepancies/
damages to
be notified
within 7 days
of delivery.

Hauliers Signature:

Haulage Company:

All trading takes place on Freeland Horticulture
Ltd Conditions of Sales; copies of which are
available on request.

Registered in England:
Rosedale Nursery, College Road,
Hextable, Kent BR8 7LT
Company Registration No: 4015968

Site Copy - White

Haulier Copy - Blue

Customer Copy - Pink

J & R HAULAGE LIMITED

Environmental Protection Act 1990 Environmental Protection (Duty of Care) Regulation 1991

Vehicle Reg: JR64HGV Driver: ADRIAN Date: 27-11-23

Client Name: Konform

Delivery/Collection Address: Remington Road

Ticket No: **122830**

(Blue copy to site)

Signature of Producer: [Signature] (must complete)

Date: 27-11-23

Print Name: GARY LAWREN (must complete)

By signing above I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the Waste (England & Wales) Regulations 2011

DELIVERY DETAILS ☐

Required by Schedule 4 Part 2 of the Weights and Measures ACT 1985

BS3882
TOPSOIL

GROSS : _____

ARE : 15m

NETT : _____

TICK BOX IF PER LOAD: ☐

SIC CODE

COLLECTION DETAILS (Description of Waste) ☐

Inert ☐ Non Haz ☐ Haz ☐

Excavator Loaded ☐ Grab Loaded ☐

17-05-04 Soil & Stone ☐

17-01-07 Hardcore ☐

17-01-01 Concrete ☐

17-09-04 Mixed Utility Waste ☐

Further Info (if any):

WORKS CARRIED OUT BY: (NOTE: All loads are full eight wheeler loads unless otherwise stated.)

Full name of Collector: J & R Haulage Limited

Address of Company: Unit 1C, Birchwood Industrial Estate, Hoe Lane,
Nazeing, EN9 2RJ

Telephone No: 020 8805 1337

Email: info@jrhaulage.co.uk

Waste Carriers Licence: CBDU 146504

DISPOSAL POINT (tick appropriate box)

☐ J & R Haulage Limited
☐ Full Name: _____
Unit 1C, Birchwood Industrial Estate, Address: _____
Hoe Lane, Nazeing, EN9 2RJ
EA LICENCE NO: EPR/EB3900XJ

THANK YOU FOR YOUR BUSINESS.

Customers requesting or ordering vehicles to leave the public highway shall reimburse us in full respect of any loss, cost, claims or expenses we may thereby sustain whether as a result of damage to vehicles themselves or the property of customers or third parties.

J & R HAULAGE LIMITED

Environmental Protection Act 1990 Environmental Protection (Duty of Care) Regulation 1991

Vehicle Reg: SR144mk Driver: Darren Date: 6/12/23

Client Name: Konform
Delivery/Collection Address: Rengington Rd Ticket No: **126020**
(Blue copy to site)

Signature of Producer: [Signature] (must complete) Date: 6/12/2

Print Name: Zyzzish (must complete)

By signing above I confirm that I have fulfilled my duty to apply the waste hierarchy
as required by regulation 12 of the Waste (England & Wales) Regulations 2011

DELIVERY DETAILS ☐

Required by Schedule 4 Part 2 of the
Weights and Measure ACT 1985

1 Load

GROSS Topsoil

TARE : _____

NETT : _____

TICK BOX IF PER LOAD: ☐

SIC CODE 1X8

COLLECTION DETAILS (Description of Waste) ☐

Inert ☐ Non Haz ☐ Haz ☐

Excavator Loaded ☐ Grab Loaded ☐

17-05-04 Soil & Stone ☐

17-01-07 Hardcore ☐

17-01-01 Concrete ☐

17-09-04 Mixed Utility Waste ☐

Further Info (if any): _____

WORKS CARRIED OUT BY: (NOTE: All loads are full eight wheeler loads unless otherwise stated.)

Full name of Collector: J & R Haulage Limited

Address of Company: Unit 1C, Birchwood Industrial Estate, Hoe Lane,
Nazeing, EN9 2RJ

Telephone No: 020 8805 1337

Email: info@jrhaulage.co.uk

Waste Carriers Licence: CBDU146504

DISPOSAL POINT (tick appropriate box)

☐ J & R Haulage Limited
Unit 1C, Birchwood Industrial Estate,
Hoe Lane, Nazeing, EN9 2RJ
EA LICENCE NO: EPR/EB3900XJ

☐ Full Name: F/Land
Address: _____

THANK YOU FOR YOUR BUSINESS.

Customers requesting or ordering vehicles to leave the public highway shall reimburse us in full respect of
any loss, cost, claims or expenses we may thereby sustain whether as a result of damage to vehicles
themselves or the property of customers or third parties.

J & R HAULAGE LIMITED

Environmental Protection Act 1990 Environmental Protection (Duty of Care) Regulation 1991

Vehicle Reg: JR20 MUK Driver: JIMMY Date: 06-12-23

Client Name: KONFORM

Delivery/Collection Address: REMINGTON RD, N15

Ticket No: **126331**

(Blue copy to site)

Signature of Producer: _____

(must complete)

Date: 06-12-23

Print Name: Nelson

toska

(must complete)

By signing above I confirm that I have fulfilled my duty to apply the waste hierarchy
as required by regulation 12 of the Waste (England & Wales) Regulations 2011

DELIVERY DETAILS ☒

Required by Schedule 4 Part 2 of the
Weights and Measure ACT 1985

Topsoil

GROSS : _____

TARE : _____

NETT : _____

TICK BOX IF PER LOAD: ☒

COLLECTION DETAILS

(Description of Waste)

Inert ☐

Non Haz ☐

Haz ☐

Excavator Loaded ☐

Grab Loaded ☐

17-05-04

Soil & Stone

☐

17-01-07

Hardcore

☐

17-01-01

Concrete

☐

17-09-04

Mixed Utility Waste

☐

☐

SIC CODE

Further Info (if any):

WORKS CARRIED OUT BY: (NOTE: All loads are full eight wheeler loads unless otherwise stated.)

Full name of Collector: **J & R Haulage Limited**

Address of Company: **Unit 1C, Birchwood Industrial Estate, Hoe Lane,
Nazeing, EN9 2RJ**

Telephone No: **020 8805 1337**

Email: **info@jrhaulage.co.uk**

Waste Carriers Licence: CBDU146504

DISPOSAL POINT (tick appropriate box)

☐ J & R Haulage Limited
Unit 1C, Birchwood Industrial Estate,
Hoe Lane, Nazeing, EN9 2RJ

☐ Full Name: _____
Address: _____

EA LICENCE NO: **EPR/EB3900XJ**

THANK YOU FOR YOUR BUSINESS.

Customers requesting or ordering vehicles to leave the public highway shall reimburse us in full respect of
any loss, cost, claims or expenses we may thereby sustain whether as a result of damage to vehicles
themselves or the property of customers or third parties.



Appendix 03 – Soil Import Quality Data



Freeland Horticulture Ltd
Rosedale Nursery
College Road
Hextable
Kent
BR8 7LT

Attention: Philippa Lambourne

Our Ref: 1231-SA

3 January 2024

Dear Philippa

Topsoil Analysis Report: Potters Bar, Hertfordshire Topsoil – December 2023

We have completed the analysis of the topsoil sample recently taken from the above site and it has been forwarded to an approved laboratory for analysis and have the pleasure of reporting our findings. The purpose of the analysis was to determine the suitability of the topsoil for general landscaping purposes and its compliance with the current British Standard for topsoil (BS3882).

SOIL SAMPLING & EXAMINATION

At the time of our sampling visit the topsoil was stored in a stockpile. A series of 10 hand augered trial holes were constructed across the stockpile for the purpose of soil examination and sample collection. As the soil examination confirmed a consistent topsoil composition, the ten samples were combined together to form one composite sample for analysis purposes. The soil was described as dark brown, slightly moist and friable with a well-developed, fine to medium granular structure. The soil contained a low fraction of small stones and no deleterious materials (eg. building waste materials, glass, roots or rhizomes of pernicious weeds) or unusual odours (eg. hydrocarbons) were recorded.

LABORATORY ANALYSIS

The topsoil sample was submitted to a UKAS and MCERTS accredited laboratory for routine physical and chemical parameters to confirm the composition and fertility of the soil. The following parameters were determined:

- ⊕ pH & electrical conductivity values;
- ⊕ major plant nutrients (N, P, K, Mg) & organic matter content;
- ⊕ particle size distribution and stone content;
- ⊕ heavy metals & potentially toxic elements (As, Cd, Cr, Cu, Pb, Hg, Ni, Se, Zn, B);
- ⊕ sulphate, sulphur, sulphide;
- ⊕ total cyanide and total (mono) phenols;
- ⊕ speciated PAHs (US EPA16)
- ⊕ banded aromatic and aliphatic petroleum hydrocarbons (C₅-C₃₅).
- ⊕ Asbestos

The results are presented on the attached Certificate of Analysis and an interpretation of the results is given below.

Phone: 01322 619161

*Freeland horticulture Ltd. Registered in England: Rosedale Nursery, College Road, Hextable, Kent BR8 7LT
Company Registration No: 04015968*

COMMENTS

pH & Electrical Conductivity (salinity) Values

The sample was alkaline in nature (pH 8.5) with a pH value that would be considered suitable for general landscaping purposes.

The electrical conductivity (salinity) value using the soil:water extract was (1165 μ S/cm) indicating that soluble salts are not present at levels that would be harmful to plants.

The electrical conductivity values by CaSO₄ extract (BS3882 requirement) fell below the maximum specified value (3300 μ S/cm) given in BS3882:2015.

Organic Matter & Nutrient Status

The sample was rich in organic matter and all major plant nutrients. No further additions of compost or fertiliser are required, or indeed recommended, for at least the first growing season.

The C:N ratio of the sample was acceptable for general landscape purposes.

Particle Size Distribution & Stone Content

The sample contained 85% sand and fell into the sandy loam texture class. This particle size distribution is considered suitable for a broad range of landscape applications, including tree and shrub planting, turfing and seeding.

The sample was Virtually free from stones of 50 mm and upwards in diameter and only contained a slight fraction of smaller stones (5.9%). As such, stones will not restrict the use of the soil for landscaping purposes.

Potential Contaminants

We are not aware of any specified contaminant levels set for the proposed end-use of this topsoil. This includes human health, environmental protection and metals considered toxic to plants. In the absence of any site-specific assessment criteria, the concentrations that affect human health have been compared with the 'residential with homegrown produce' land use in the Suitable For Use Levels presented in 'The LQM/CIEH S4UIs' for Human Health Risk Assessment (2015) and DEFRA SP1010: 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Policy Companion Document (2014)'.
Freeland 01322 619161

Of the potential contaminants determined, none was found at levels that would exceed their respective guideline values.

CONCLUSION

The purpose of the analysis was to determine the suitability of the topsoil for general landscaping purposes. From the soil examination and laboratory analysis, the soil is described as an alkaline, non-saline, sandy loam. The organic matter and nutrient levels are acceptable, and no significant contamination was found with respect to the parameters determined. This soil would adhere to the current BS3882 specification for 'multipurpose grade'.

To conclude, based on our findings, the topsoil would be considered well-suited to general landscaping purposes provided the physical condition of the soil is maintained.

We hope this report meets with your approval and provides the necessary information. Please do not hesitate to contact the undersigned if you have any queries or comments.

George Longmuir MSc Soil Sci. M.I Soil Sci.

Client	Freeland Horticulture Ltd
Job Name	Topsoil Analysis
Site	Potters Bar, Hertfordshire
Month/Year	December 23
Our Ref	1231-SA
Date	03 January 2024

Composite sample

pH Value & Salinity

pH value (1:2.5 soil/water ext)	units
Electrical Conductivity (1:2.5 soil/water ext)	µS/cm
Electrical Conductivity (1:2.5 soil/CaSO ₄ ext)	µS/cm

8.5
1165
3231

Organic Matter & Nutrient Status

Organic Matter (LOI)	%
Organic Carbon (Derived)	%
Total Nitrogen	%
Carbon:Nitrogen Ratio	:1
Available Phosphorus	mg/l
Available Potassium	mg/l
Available Magnesium	mg/l

5.8
3.4
0.250
13.5
79.2
1423
166

Particle Size Analysis & Stones

Clay (<0.002mm)	%
Silt (0.063-0.002mm)	%
Sand (2.0-0.063mm)	%
Texture Class	UK Class

6
9
85
Sandy Loam

Stones 2-20mm	% by DW
Stones 20-50mm	% by DW
Stones >50mm	% by DW

4.8
1.1
0.0

Potential Contaminants

Total Arsenic (As)	mg/kg
Total Cadmium (Cd)	mg/kg
Total Chromium (Cr)	mg/kg
Hexavalent Chromium (Cr ^{VI})	mg/kg
Total Copper (Cu)	mg/kg
Total Lead (Pb)	mg/kg
Total Mercury (Hg)	mg/kg
Total Nickel (Ni)	mg/kg
Total Selenium (Se)	mg/kg
Total Zinc (Zn)	mg/kg
Total Beryllium (Be)	mg/kg
Total Barium (Ba)	mg/kg
Total Vanadium (V)	mg/kg
Hot Water Soluble Boron (B)	mg/kg
Total Cyanide (CN)	mg/kg
Elemental Sulphur (S)	mg/kg
Easily Liberated Sulphide (S ²⁻)	mg/kg
Water Soluble Sulphate (SO ₄ ²⁻)	mg/l
Total Phenols Index	mg/kg
Asbestos Screen	-

6.8
0.13
27.7
<0.2
11.1
15.8
<0.2
13.4
0.13
48.5
<1
23.6
22.2
1.4
<1
5.8
<1
72.9
<1
N.D.

Chain of custody requires a Freeland Horticulture Delivery Ticket-01322 619161

Client	Freeland Horticulture Ltd
Job Name	Topsoil Analysis
Site	Potters Bar, Hertfordshire
Month/Year	December 23
Our Ref	1231-SA
Date	03 January 2024

Polyaromatic Hydrocarbons

Naphthalene	mg/kg	<0.05
Acenaphthylene	mg/kg	<0.05
Acenaphthene	mg/kg	<0.05
Fluorene	mg/kg	<0.05
Phenanthrene	mg/kg	<0.1
Anthracene	mg/kg	<0.05
Fluoranthene	mg/kg	<0.1
Pyrene	mg/kg	<0.1
Benzo[a]anthracene	mg/kg	<0.1
Chrysene	mg/kg	<0.1
Benzo[b]fluoranthene	mg/kg	<0.1
Benzo[k]fluoranthene	mg/kg	<0.1
Benzo[a]pyrene	mg/kg	<0.1
Indeno[1,2,3-cd]pyrene	mg/kg	<0.1
Dibenzo[a,h]anthracene	mg/kg	<0.1
Benzo[g,h,i]perylene	mg/kg	<0.1
Total PAHs sum US EPA 16	mg/kg	<1

Banded Petroleum Hydrocarbons

Aliphatic TPH >C ₅ -C ₆	mg/kg	<0.05
Aliphatic TPH >C ₆ -C ₈	mg/kg	<0.05
Aliphatic TPH >C ₈ -C ₁₀	mg/kg	<0.05
Aliphatic TPH >C ₁₀ -C ₁₂	mg/kg	<10
Aliphatic TPH >C ₁₂ -C ₁₆	mg/kg	<10
Aliphatic TPH >C ₁₆ -C ₂₁	mg/kg	<10
Aliphatic TPH >C ₂₁ -C ₃₅	mg/kg	38.0
Aliphatic TPH >C ₃₅ -C ₄₄	mg/kg	<12
Aromatic TPH >C ₅ -C ₇	mg/kg	<0.05
Aromatic TPH >C ₇ -C ₈	mg/kg	<0.05
Aromatic TPH >C ₈ -C ₁₀	mg/kg	<0.05
Aromatic TPH >C ₁₀ -C ₁₂	mg/kg	<10
Aromatic TPH >C ₁₂ -C ₁₆	mg/kg	<10
Aromatic TPH >C ₁₆ -C ₂₁	mg/kg	<10
Aromatic TPH >C ₂₁ -C ₃₅	mg/kg	33.0
Aromatic TPH >C ₃₅ -C ₄₄	mg/kg	<12
Total Petroleum Hydrocarbons (C ₅ -C ₄₄)	mg/kg	71.0

BTEX

Benzene	mg/kg	<0.02
Toluene	mg/kg	<0.2
Ethyl Benzene	mg/kg	<0.04
m- & p- Xylene	mg/kg	<0.2
o-Xylene	mg/kg	<0.1



Appendix 04 - Trial Pit Photographs



TP1-1



TP1-2



TP1-3



TP2-1



TP2-2



TP2-3



TP3-1



TP3-2



TP3-3



TP4-1



TP4-2



TP4-3



TP4-4



TP5-1



TP5-2



TP5-3



TP5-4



TP6-1



TP6-2



TP7-1



TP7-2



TP7-3



TP8-1



TP8-2



TP8-3



Appendix 05 - Soil Results Summary

Client	Konform
Site	Remington Road
Job Reference	LQ1148
Date	14/03/2024
Site Use	Residential

		Exceeds GAC	270				
		Above detection limit	270				
Sample Reference				TP01	TP03	TP05	TP07
Depth (m)				0.2	0.2	0.2	0.2
Date Sampled				27/02/2024	27/02/2024	27/02/2024	27/02/2024
Analytical Parameter (Soil Analysis)	Units	Limit of detection	GAC Result Pass/Fail/Exceeds				
Stone Content	%	0.1	-	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	-	20	23	28	29
Total mass of sample received	kg	0.001	-	0.9	1	1.2	1.2
Asbestos in Soil	Type	N/A	-	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	-	WEM	WEM	JBH	DBU
General Inorganics							
pH - Automated	pH Units	N/A	-	7.4	8.1	7.9	7.8
Total Organic Carbon (TOC) - Automated	%	0.1	-				
Speciated PAHs							
Naphthalene	mg/kg	0.05	2.3	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	170	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	210	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	170	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	95	0.39	0.1	0.15	0.35
Anthracene	mg/kg	0.05	2400	0.11	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	280	0.76	0.35	0.35	0.79
Pyrene	mg/kg	0.05	620	0.68	0.3	0.33	0.69
Benzo(a)anthracene	mg/kg	0.05	7.2	0.4	0.12	0.18	0.36
Chrysene	mg/kg	0.05	15	0.33	0.15	0.2	0.37
Benzo(b)fluoranthene	mg/kg	0.05	2.6	0.44	0.17	0.27	0.44
Benzo(k)fluoranthene	mg/kg	0.05	77	0.19	0.06	0.16	0.29
Benzo(a)pyrene	mg/kg	0.05	2.2	0.35	0.11	0.23	0.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	27	0.19	0.08	0.16	0.23
Dibenz(a,h)anthracene	mg/kg	0.05	0.28	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	320	0.21	0.09	0.18	0.24
Total PAH							
Speciated Total EPA-16 PAHs	mg/kg	0.8	-	4.05	1.53	2.21	4.16

Client	Konform
Site	Remington Road
Job Reference	LQ1148
Date	14/03/2024
Site Use	Residential

Exceeds GAC	270
Above detection limit	270

Sample Reference				TP01	TP03	TP05	TP07
Depth (m)				0.2	0.2	0.2	0.2
Date Sampled				27/02/2024	27/02/2024	27/02/2024	27/02/2024
Heavy Metals / Metalloids							
Antimony (aqua regia extractable)	mg/kg	1	-	2.2	1.9	2	< 1.0
Arsenic (aqua regia extractable)	mg/kg	1	37	5	4.2	5	4.7
Barium (aqua regia extractable)	mg/kg	1	-	120	81	120	110
Beryllium (aqua regia extractable)	mg/kg	0.06	-	0.5	0.43	0.54	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	11	0.5	0.3	0.4	0.4
Chromium (hexavalent)	mg/kg	1.8	6	2.4	2.1	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	910	12	9.6	12	13
Copper (aqua regia extractable)	mg/kg	1	2400	24	20	25	22
Lead (aqua regia extractable)	mg/kg	1	200	40	31	41	39
Mercury (aqua regia extractable)	mg/kg	0.3	1.2	< 0.3	< 0.3	< 0.3	< 0.3
Molybdenum (aqua regia extractable)	mg/kg	0.25	-	1.3	1.2	1.1	1
Nickel (aqua regia extractable)	mg/kg	1	180	11	8.1	10	9.2
Selenium (aqua regia extractable)	mg/kg	1	250	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	410	17	11	14	13
Zinc (aqua regia extractable)	mg/kg	1	3700	120	96	120	110
Petroleum Hydrocarbons							
TPHCWG - Aliphatic >C5 - C6 HS_ID_AL	mg/kg	0.02	42	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aliphatic >C6 - C8 HS_ID_AL	mg/kg	0.02	100	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aliphatic >C8 - C10 HS_ID_AL	mg/kg	0.05	27	< 0.050	< 0.050	< 0.050	< 0.050
TPHCWG - Aliphatic >C10 - C12 EH_CU_ID_AL_#1_#2	mg/kg	1	130	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >C12 - C16 EH_CU_ID_AL_#1_#2	mg/kg	2	1,100	4.3	< 2.0	3.8	< 2.0
TPHCWG - Aliphatic >C16 - C21 EH_CU_ID_AL_#1_#2	mg/kg	8	65,000	10	< 8.0	13	< 8.0
TPHCWG - Aliphatic >C21 - C35 EH_CU_ID_AL_#1_#2	mg/kg	8	-	79	70	64	38
TPHCWG - Aliphatic >C16 - C35	mg/kg	-	65,000	89	78	77	36
TPHCWG - Aliphatic >C35 - C40 EH_CU_ID_AL_#1_#2	mg/kg	10	-	< 10	17	15	< 10
TPHCWG - Aliphatic >C5 - C35 EH_CU+HS_ID_AL_#1_#2	mg/kg	10	-	93	70	81	38
TPHCWG - Aliphatic >C5 - C40 EH_CU+HS_ID_AL_#1_#2	mg/kg	10	-	93	88	96	38
TPHCWG - Aromatic >EC5 - EC7 HS_ID_AR	mg/kg	0.01	70	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_ID_AR	mg/kg	0.01	130	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_ID_AR	mg/kg	0.05	34	< 0.050	< 0.050	< 0.050	< 0.050
TPHCWG - Aromatic >EC10 - EC12 EH_CU_ID_AR_#1_#2	mg/kg	1	74	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_ID_AR_#1_#2	mg/kg	2	140	2.9	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_ID_AR_#1_#2	mg/kg	10	260	11	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_ID_AR_#1_#2	mg/kg	10	1,100	52	41	32	20
TPHCWG - Aromatic >EC35 - EC40 EH_CU_ID_AR_#1_#2	mg/kg	10	-	14	< 10	< 10	< 10
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_ID_AR_#1_#2	mg/kg	10	-	66	44	32	20
TPHCWG - Aromatic >EC5 - EC40 EH_CU+HS_ID_AR_#1_#2	mg/kg	10	-	80	44	32	20
TPH Total >C5 - C40 EH_CU+HS_ID_TOTAL_#1_#2	mg/kg	10	-	170	130	130	58
TPH Total >C6 - C40 EH_CU+HS_ID_TOTAL_#1_#2	mg/kg	10	-	180	150	140	75
Petroleum Range Organics (C6 - C10) HS_ID_TOTAL	mg/kg	1	-	< 1.0	< 1.0	< 1.0	< 1.0
TPH (C10 - C40) EH_CU_ID_TOTAL_#1_#2	mg/kg	10	500	180	150	140	75
VOCs							
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	49000	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	87	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	130000	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	47000	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	5	79000	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	µg/kg	5	60000	< 5.0	< 5.0	< 5.0	< 5.0



Appendix 06 – Laboratory Certificates



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Analytical Report Number : 24-005570

Project / Site name:	Konform - Remington Road, London, N15 6SS	Samples received on:	27/02/2024
Your job number:	KONFORM - REMINGTON ROAD, LONDON, N15 6SS	Samples instructed on/ Analysis started on:	27/02/2024
Your order number:	LQ1146 KOH RR FEB24	Analysis completed by:	05/03/2024
Report Issue Number:	1	Report issued on:	05/03/2024
Samples Analysed:	1 soil sample		

Izabela Wójcik
Signed:

Izabela Wójcik
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-005570
 Project / Site name: Konform - Remington Road, London, N15 6SS
 Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128808
Sample Reference				TP01
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0900
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	20
Total mass of sample received	kg	0.1	NONE	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	WEM

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4
Total Cyanide	mg/kg	1	MCERTS	1.6
Free Cyanide	mg/kg	1	MCERTS	1.4
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	280
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	139

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.39
Anthracene	mg/kg	0.05	MCERTS	0.11
Fluoranthene	mg/kg	0.05	MCERTS	0.76
Pyrene	mg/kg	0.05	MCERTS	0.68
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.4
Chrysene	mg/kg	0.05	MCERTS	0.33
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.44
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.19
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.35
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.19
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.21

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	4.05
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Analytical Report Number: 24-005570
 Project / Site name: Konform - Remington Road, London, N15 6SS
 Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128808
Sample Reference				TP01
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0900
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	2.2
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5
Barium (aqua regia extractable)	mg/kg	1	MCERTS	120
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.5
Boron (water soluble)	mg/kg	0.2	MCERTS	3.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	2.4
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	12
Copper (aqua regia extractable)	mg/kg	1	MCERTS	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	40
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Molybdenum (aqua regia extractable)	mg/kg	0.25	MCERTS	1.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	17
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120

Petroleum Hydrocarbons

TPHCWG - Aliphatic >C5 - C6 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C6 - C8 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C8 - C10 HS_1D_AL	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aliphatic >C10 - C12 EH_CU_1D_AL_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aliphatic >C12 - C16 EH_CU_1D_AL_#1_#2	mg/kg	2	MCERTS	4.3
TPHCWG - Aliphatic >C16 - C21 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	10
TPHCWG - Aliphatic >C21 - C35 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	79
TPHCWG - Aliphatic >C35 - C40 EH_CU_1D_AL_#1_#2	mg/kg	10	NONE	< 10
TPHCWG - Aliphatic >C5 - C35 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	93
TPHCWG - Aliphatic >C5 - C40 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	93

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR_#1_#2	mg/kg	2	MCERTS	2.9
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	11
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	52
TPHCWG - Aromatic >EC35 - EC40 EH_CU_1D_AR_#1_#2	mg/kg	10	NONE	14
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	66
TPHCWG - Aromatic >EC5 - EC40 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	80

TPH Total >C5 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	170
TPH Total >C6 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	180

Petroleum Range Organics (C6 - C10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0
TPH (C10 - C40) EH_CU_1D_TOTAL_#1_#2	mg/kg	10	MCERTS	180

Analytical Report Number: 24-005570

Project / Site name: Konform - Remington Road, London, N15 6SS

Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128808
Sample Reference				TP01
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0900
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 24-005570
Project / Site name: Konform - Remington Road, London, N15 6SS

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
128808	TP01	None Supplied	0.20	Brown loam and sand with gravel and vegetation

Analytical Report Number : 24-005570

Project / Site name: Konform - Remington Road, London, N15 6SS

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated EPA-16 PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



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Analytical Report Number : 24-005571

Project / Site name:	Konform - Remington Road, London, N15 6SS	Samples received on:	27/02/2024
Your job number:	KONFORM - REMINGTON ROAD, LONDON, N15 6SS	Samples instructed on/ Analysis started on:	27/02/2024
Your order number:	LQ1146 KOH RR FEB24	Analysis completed by:	05/03/2024
Report Issue Number:	1	Report issued on:	05/03/2024
Samples Analysed:	1 soil sample		

Signed:

Izabela Wójcik

Izabela Wójcik
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-005571

Project / Site name: Konform - Remington Road, London, N15 6SS

Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128809
Sample Reference				TP03
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0910
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	23
Total mass of sample received	kg	0.1	NONE	1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	WEM

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.1
Total Cyanide	mg/kg	1	MCERTS	1.5
Free Cyanide	mg/kg	1	MCERTS	1.2
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	290
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	145

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.1
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.35
Pyrene	mg/kg	0.05	MCERTS	0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.12
Chrysene	mg/kg	0.05	MCERTS	0.15
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.17
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.06
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.11
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.08
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.09

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.53
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Analytical Report Number: 24-005571
 Project / Site name: Konform - Remington Road, London, N15 6SS
 Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128809
Sample Reference				TP03
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0910
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	1.9
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.2
Barium (aqua regia extractable)	mg/kg	1	MCERTS	81
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.43
Boron (water soluble)	mg/kg	0.2	MCERTS	3.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	2.1
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	9.6
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Molybdenum (aqua regia extractable)	mg/kg	0.25	MCERTS	1.2
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.1
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	11
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	96

Petroleum Hydrocarbons

TPHCWG - Aliphatic >C5 - C6 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C6 - C8 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C8 - C10 HS_1D_AL	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aliphatic >C10 - C12 EH_CU_1D_AL_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aliphatic >C12 - C16 EH_CU_1D_AL_#1_#2	mg/kg	2	MCERTS	< 2.0
TPHCWG - Aliphatic >C16 - C21 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	< 8.0
TPHCWG - Aliphatic >C21 - C35 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	70
TPHCWG - Aliphatic >C35 - C40 EH_CU_1D_AL_#1_#2	mg/kg	10	NONE	17
TPHCWG - Aliphatic >C5 - C35 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	70
TPHCWG - Aliphatic >C5 - C40 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	88

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR_#1_#2	mg/kg	2	MCERTS	2.5
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	41
TPHCWG - Aromatic >EC35 - EC40 EH_CU_1D_AR_#1_#2	mg/kg	10	NONE	< 10
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	44
TPHCWG - Aromatic >EC5 - EC40 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	44

TPH Total >C5 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	130
TPH Total >C6 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	150

Petroleum Range Organics (C6 - C10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0
TPH (C10 - C40) EH_CU_1D_TOTAL_#1_#2	mg/kg	10	MCERTS	150

Analytical Report Number: 24-005571

Project / Site name: Konform - Remington Road, London, N15 6SS

Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128809
Sample Reference				TP03
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0910
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 24-005571

Project / Site name: Konform - Remington Road, London, N15 6SS

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
128809	TP03	None Supplied	0.20	Brown loam and sand with gravel and vegetation

Analytical Report Number : 24-005571

Project / Site name: Konform - Remington Road, London, N15 6SS

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated EPA-16 PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



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Analytical Report Number : 24-005572

Project / Site name:	Konform - Remington Road, London, N15 6SS	Samples received on:	27/02/2024
Your job number:	KONFORM - REMINGTON ROAD, LONDON, N15 6SS	Samples instructed on/ Analysis started on:	27/02/2024
Your order number:	LQ1146 KOH RR FEB24	Analysis completed by:	06/03/2024
Report Issue Number:	1	Report issued on:	06/03/2024
Samples Analysed:	1 soil sample		

Signed:

Joanna Wawrzeczko
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-005572

Project / Site name: Konform - Remington Road, London, N15 6SS

Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128810
Sample Reference				TP05
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0920
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	28
Total mass of sample received	kg	0.1	NONE	1.2

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	JBH

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.9
Total Cyanide	mg/kg	1	MCERTS	1.3
Free Cyanide	mg/kg	1	MCERTS	4.8
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	460
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	231

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.15
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.35
Pyrene	mg/kg	0.05	MCERTS	0.33
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.18
Chrysene	mg/kg	0.05	MCERTS	0.2
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.27
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.16
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.23
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.16
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.18

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.21
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Analytical Report Number: 24-005572
 Project / Site name: Konform - Remington Road, London, N15 6SS
 Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128810
Sample Reference				TP05
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0920
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	2
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5
Barium (aqua regia extractable)	mg/kg	1	MCERTS	120
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.54
Boron (water soluble)	mg/kg	0.2	MCERTS	3.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	12
Copper (aqua regia extractable)	mg/kg	1	MCERTS	25
Lead (aqua regia extractable)	mg/kg	1	MCERTS	41
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Molybdenum (aqua regia extractable)	mg/kg	0.25	MCERTS	1.1
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	10
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	14
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120

Petroleum Hydrocarbons

TPHCWG - Aliphatic >C5 - C6 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C6 - C8 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C8 - C10 HS_1D_AL	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aliphatic >C10 - C12 EH_CU_1D_AL_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aliphatic >C12 - C16 EH_CU_1D_AL_#1_#2	mg/kg	2	MCERTS	3.8
TPHCWG - Aliphatic >C16 - C21 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	13
TPHCWG - Aliphatic >C21 - C35 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	64
TPHCWG - Aliphatic >C35 - C40 EH_CU_1D_AL_#1_#2	mg/kg	10	NONE	15
TPHCWG - Aliphatic >C5 - C35 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	81
TPHCWG - Aliphatic >C5 - C40 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	96

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR_#1_#2	mg/kg	2	MCERTS	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	32
TPHCWG - Aromatic >EC35 - EC40 EH_CU_1D_AR_#1_#2	mg/kg	10	NONE	< 10
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	32
TPHCWG - Aromatic >EC5 - EC40 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	32

TPH Total >C5 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	130
TPH Total >C6 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	140

Petroleum Range Organics (C6 - C10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0
TPH (C10 - C40) EH_CU_1D_TOTAL_#1_#2	mg/kg	10	MCERTS	140

Analytical Report Number: 24-005572

Project / Site name: Konform - Remington Road, London, N15 6SS

Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128810
Sample Reference				TP05
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0920
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 24-005572

Project / Site name: Konform - Remington Road, London, N15 6SS

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
128810	TP05	None Supplied	0.20	Brown loam with gravel and vegetation

Analytical Report Number : 24-005572

Project / Site name: Konform - Remington Road, London, N15 6SS

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated EPA-16 PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



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Analytical Report Number : 24-005573

Project / Site name:	Konform - Remington Road, London, N15 6SS	Samples received on:	27/02/2024
Your job number:	KONFORM - REMINGTON ROAD, LONDON, N15 6SS	Samples instructed on/ Analysis started on:	27/02/2024
Your order number:	LQ1146 KOH RR FEB24	Analysis completed by:	05/03/2024
Report Issue Number:	1	Report issued on:	05/03/2024
Samples Analysed:	1 soil sample		


Signed: _____

Dominika Liana
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-005573
 Project / Site name: Konform - Remington Road, London, N15 6SS
 Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number					128811
Sample Reference					TP07
Sample Number					None Supplied
Depth (m)					0.20
Date Sampled					27/02/2024
Time Taken					0930
Analytical Parameter (Soil Analysis)		Units	Limit of detection	Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	29
Total mass of sample received	kg	0.1	NONE	1.2

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DBU

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	500
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	252

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.35
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.79
Pyrene	mg/kg	0.05	MCERTS	0.69
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.36
Chrysene	mg/kg	0.05	MCERTS	0.37
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.44
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.29
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.23
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.24

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	4.16
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Analytical Report Number: 24-005573
Project / Site name: Konform - Remington Road, London, N15 6SS
Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128811
Sample Reference				TP07
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0930
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	< 1.0
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.7
Barium (aqua regia extractable)	mg/kg	1	MCERTS	110
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.5
Boron (water soluble)	mg/kg	0.2	MCERTS	3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13
Copper (aqua regia extractable)	mg/kg	1	MCERTS	22
Lead (aqua regia extractable)	mg/kg	1	MCERTS	39
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Molybdenum (aqua regia extractable)	mg/kg	0.25	MCERTS	1
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	9.2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	13
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110

Petroleum Hydrocarbons

TPHCWG - Aliphatic >C5 - C6 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C6 - C8 HS_1D_AL	mg/kg	0.02	NONE	< 0.020
TPHCWG - Aliphatic >C8 - C10 HS_1D_AL	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aliphatic >C10 - C12 EH_CU_1D_AL_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aliphatic >C12 - C16 EH_CU_1D_AL_#1_#2	mg/kg	2	MCERTS	< 2.0
TPHCWG - Aliphatic >C16 - C21 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	< 8.0
TPHCWG - Aliphatic >C21 - C35 EH_CU_1D_AL_#1_#2	mg/kg	8	MCERTS	38
TPHCWG - Aliphatic >C35 - C40 EH_CU_1D_AL_#1_#2	mg/kg	10	NONE	< 10
TPHCWG - Aliphatic >C5 - C35 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	38
TPHCWG - Aliphatic >C5 - C40 EH_CU+HS_1D_AL_#1_#2	mg/kg	10	NONE	38

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	< 0.050
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR_#1_#2	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR_#1_#2	mg/kg	2	MCERTS	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR_#1_#2	mg/kg	10	MCERTS	20
TPHCWG - Aromatic >EC35 - EC40 EH_CU_1D_AR_#1_#2	mg/kg	10	NONE	< 10
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	20
TPHCWG - Aromatic >EC5 - EC40 EH_CU+HS_1D_AR_#1_#2	mg/kg	10	NONE	20

TPH Total >C5 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	58
TPH Total >C6 - C40 EH_CU+HS_1D_TOTAL_#1_#2	mg/kg	10	NONE	75

Petroleum Range Organics (C6 - C10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0
TPH (C10 - C40) EH_CU_1D_TOTAL_#1_#2	mg/kg	10	MCERTS	75



Analytical Report Number: 24-005573
 Project / Site name: Konform - Remington Road, London, N15 6SS
 Your Order No: LQ1146 KOH RR FEB24

Lab Sample Number				128811
Sample Reference				TP07
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				27/02/2024
Time Taken				0930
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0
p & m-Xylene	µg/kg	5	MCERTS	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 24-005573

Project / Site name: Konform - Remington Road, London, N15 6SS

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
128811	TP07	None Supplied	0.20	Brown loam with gravel and vegetation

Analytical Report Number : 24-005573

Project / Site name: Konform - Remington Road, London, N15 6SS

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated EPA-16 PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

